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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"10/665462"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 13:05
L2	152	toeplitz adj matrix and (isi or (inter adj symbol adj interference))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:48
L3	90	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and chip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:08
L5	2	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and chip and temp adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 15:34
L6	2	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and chip and averag$3 with diagonal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:06
L7	1380	375/233	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:06
L8	8	3 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:06
L9	305200	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and chip ans ici	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:08

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L10	44	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and chip and ici	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:09
L11	18	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and chip and (dfe or (decision adj feedback adj equalizer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:32
L12	2	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and chip and (dfe or (decision adj feedback adj equalizer)) and (averag$5 with diagonal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:10
L13	53	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and (ici or (inter adj carrier adj interference))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:34
L14	53	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and (ici or (inter adj carrier adj interference)) and symbol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:34
L15	13	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and (ici or (inter adj carrier adj interference)) and symbol with based	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:35
L16	7	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and (ici or (inter adj carrier adj interference)) and (dfe or (decision adj feedback adj equalizer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:37
L17	0	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and (ici or (inter adj carrier adj interference)) and (dfe or (decision adj feedback adj equalizer)) and wc and wud	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:38

L18	1	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and (ici or (inter adj carrier adj interference)) and (dfe or (decision adj feedback adj equalizer)) and wuc and wud	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:38
L19	1	(toeplitz adj matrix and (isi or (inter adj symbol adj interference))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:38
L20	4	toeplitz adj matrix with (isi or (inter adj symbol adj interference))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:46
L21	50	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and dfe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:48
L22	51	toeplitz adj matrix and (isi or (inter adj symbol adj interference)) and (dfe or (decision adj feedback adj equalizer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:49
L23	4	(toeplitz adj matrix) same (isi or (inter adj symbol adj interference)) and (dfe or (decision adj feedback adj equalizer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:50
L24	6	(toeplitz adj matrix) same (dfe or (decision adj feedback adj equalizer)) and (isi or (inter adj symbol adj interference))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 16:50
L25	6	(toeplitz adj matrix) same (dfe or (decision adj feedback adj equalizer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 17:00

L26	11	(toeplitz adj matrix) and (dfe or (decision adj feedback adj equalizer)) and ici	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 17:35
L27	1	7 and 26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 17:01
L28	13	(toeplitz adj matrix) and (isi with ici)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 17:38
L29	1	fff and fbf and wuc and wud	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 18:26
L30	13	dfe with isi with ici	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 18:28
L31	1	dfe with isi with ici and toeplitz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 18:28
L32	2	"6690715".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 18:35
L33	2	"7113553".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 18:51

S1	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 08:40

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Inventor Name	City	State/Country
CHEN, TIEN-HUI	TAIPEI	TAIWAN
MA, CHINGWO	DANVILLE	CALIFORNIA
LIN, JEFF	TAIPEI	TAIWAN
KAO, KAI-PON	TAIPEI	TAIWAN

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Last Name = KAO
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Application#	Patent#	Status	Date Filed	Title	Inventor Name
10665462	Not Issued	30	09/22/2003	Method for updating coefficients in decision feedback equalizer	KAO, KAI-PON
10952035	Not Issued	30	09/28/2004	Automatic gain control for a WLAN system	KAO, KAI-PON
11215216	Not Issued	30	08/30/2005	Method and circuit for fine timing synchronization in the orthogonal frequency division multiplexing baseband receiver for IEEE 802.11a/g wireless LAN standard	KAO, KAI-PON
11224757	Not Issued	30	09/13/2005	Circuit for improving channel impulse response estimation and compensating for remnant frequency offset in the orthogonal frequency division multiplexing baseband receiver for IEEE 802.11a/g wireless LAN standard standard	KAO, KAI-PON
11229934	Not Issued	30	09/19/2005	Method and system for assigning a receiving antenna	KAO, KAI-PON
11250669	Not Issued	30	10/14/2005	Method and circuit for frequency offset estimation in frequency domain in the orthogonal frequency division multiplexing baseband receiver for IEEE 802.11A/G wireless LAN standard	KAO, KAI-PON

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First Name = CHINGWO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08612691	5748126	150	03/08/1996	SIGMA-DELTA DIGITAL-TO-ANALOG CONVERSION SYSTEM AND PROCESS THROUGH RECONSTRUCTION AND RESAMPLING	MA, CHINGWO
10402154	Not Issued	93	03/31/2003	APPARATUS AND METHOD OF ADAPTIVE FREQUENCY OFFSET ESTIMATIONS FOR A RECEIVER	MA, CHINGWO
10665462	Not Issued	30	09/22/2003	Method for updating coefficients in decision feedback equalizer	MA, CHINGWO
10710262	Not Issued	30	06/29/2004	Radio Receiver Supporting Multiple Modulation Formats with a Single Pair of ADCs	MA, CHINGWO
11250669	Not Issued	30	10/14/2005	Method and circuit for frequency offset estimation in frequency domain in the orthogonal frequency division multiplexing baseband receiver for IEEE 802.11A/G wireless LAN standard	MA, CHINGWO
60483115	Not Issued	159	06/30/2003	Radio receiver supporting multiple modulation formats with a single pair of ADCs	MA, CHINGWO

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10665462	Not Issued	30	09/22/2003	Method for updating coefficients in decision feedback equalizer	CHEN, TIEN-HUI
11224757	Not Issued	30	09/13/2005	Circuit for improving channel impulse response estimation and compensating for remnant frequency offset in the orthogonal frequency division multiplexing baseband receiver for IEEE 802.11a/g wireless LAN standard standard	CHEN, TIEN-HUI
11235714	Not Issued	30	09/26/2005	Method and circuit for timing recovery	CHEN, TIEN-HUI
11463913	Not Issued	30	08/11/2006	METHOD FOR NETWORK DIAGNOSTIC	CHEN, TIEN-HUI

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Correspondence Address for 10/665462

Customer Number	Contact Information	Address
23995	Telephone: (202)371-8976 Fax: (202)408-0924 E-Mail: No E-Mail Address	RABIN & Berdo, PC 1101 14TH STREET, NW SUITE 500 WASHINGTON DC 20005

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we call past symbol (PS)-**DFE**. PS-**DFE** cancels **ISI** caused by. the already decided
symbols, leaving the **ICI** caused by the **chips**. in the current symbols intact. ...
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2142–2146. [15] Y. Sun and L. Tong, "Channel equalization using one-tap **DFE** for wire-.
less OFDM systems with **ICI** and **ISI**," in Proc. 2nd IEEE SP Workshop ...
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interference (MUI) carrying off-**diagonal** elements and the **ISI** carrying ...
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is the **average** of 100'000 channel realizations. Both the residual **ISI** energy ... put multiple
output (MIMO) **DFE** will likely be too complex. Since the **ICI** ...
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[90] Y. Sun and L. Tong, "Channel Equalization Using One-Tap **DFE** for Wireless. OFDM
Systems With **ICI** and **ISI**," in Proc. IEEE Sig. Proc. Workshop on Sig. ...
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Publication Details
The **average** number of taps and bits were calculated to be 14.98 and 10 ... for the
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is a **diagonal** matrix that selects the residual **ISI** components to be considered for peak.
distortion. The **average** energy of the transmit alphabet, E ...
mos.stanford.edu/papers/vs_thesis.pdf - Similar pages

[PDF] **Iterative Multiuser Detection**
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Correspondingly the th BS's TS will be written in a **Toeplitz matrix**: ... Finally the mixture of
ICI and **ISI** is subtracted from the updated RAKE reception ...
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[PDF] **IST-2001-32125 FLOWS Deliverable Number: D14 Selected MIMO ...**
File Format: PDF/Adobe Acrobat
Due to the absence of **ICI** and **ISI**, the subcarrier-specific channel matrices H(n) can be
written on the. **diagonal** of a total MIMO channel matrix H as follows ...

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matrix (when the guard sequence is all-zeros) or is a block ...
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Single Rate GMC-CDMA: AMOUR 166
14...received noisy code- word . . . .
. . . . 55 5.2 Block **DFE** structure . . . .
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. . . . 152 12.6 Baseband continuous-time model for
user μ, sampled at the **chip** rate . . . . 153 12.7 No IBI thanks to
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☐ 2. Block FIR decision-feedback equalizers for filterbank precoded transmissions
with blind channel esti - Communications, IEEE ... [PDF-60K]
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...transform precoding to cope with **ISI**. Among the ways to model
block...details). Moreover, with adaptive **DFE** techniques, the **DFE**
receiver...all-zeros) matrix, denotes an **diagonal** matrix with **diagonal**
entries , denotes Kronecker...at the symbol rate or at the **chip** rate the
distinction is made...indicates, the matrix models the **ISI** within the sym-
bols of a block...codes. Our block trans- mission **DFE** framework is thus
applicable...
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☐ 3. **Multiuser detector for hybrid CDMA systems based on the Bareiss algorithm**
Bifano, A.; Rampa, V.;
Acoustics, Speech, and Signal Processing, 2005. Proceedings. (ICASSP '05). IEEE
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☐ 5. **A block-Toeplitz VCMA equalizer for MIMO-OFDM systems**
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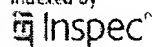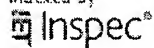Enter a name to locate articles written by that author.

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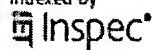
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Publication info: **TW240498B** - 2005-09-21

2   **Radio Receiver Supporting Multiple Modulation Formats with a Single Pair of ADCs**
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Publication info: **US2004264600** - 2004-12-30

3   **Method for updating coefficients in decision feedback equalizer**
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4   **Apparatus and method of adaptive frequency offset estimations for a receiver**
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Publication info: **US2004190655** - 2004-09-30

5   **D/A CONVERSION SYSTEM AND ITS METHOD**
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EC: H03M3/02; G06J1/00   IPC: *H03M1/08; G06J1/00; H03H17/00* (+16)
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To reduce the **ISI** and **ICI** due to the insufficient CP, we develop a minimum-mean-square-
error decision feedback equalizer(MMSE_ **DFE**). ...
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